

GPH = 764.8 **CDL = 5.953**

BOAT

Class **RJ 85**
Designer
Builder **Jakobssen**
Age Date **01/1974**
Series Date **01/1969**
Offset File **RJ85_CL.off**

HULL

Length Overall **8.550 m**
Maximum Beam **2.012 m**
Draft **1.229 m**
Displacement **2,444 kg**
DLR **8.6924**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.448%**
Age Allowance **0.487%**

PROPELLER

Installation **No Propeller**
Type **N/A**
Diameter **N/A**

CREW

Maximum weight **350 kg**
Minimum weight **263 kg * when applied**
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	17.05	17.57
Headsail Luffed	19.82	19.82
Headsail Flying		
Symmetric	39.55	39.55
Asymmetric		

SAIL LIMITATIONS

Headsails **5**
Spinnakers **4**

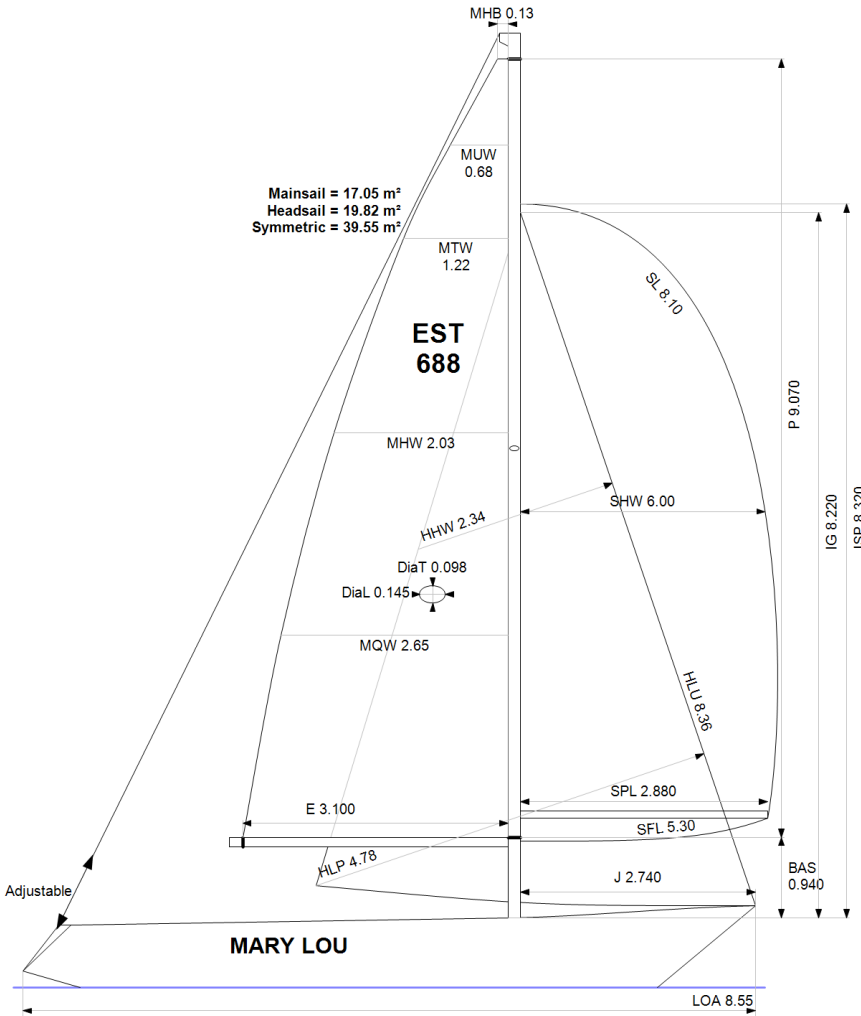
STABILITY

Righting Moment **23.0 kg·m**
Stability Index **N/A**

COMMENTS

Kaal koos pãramootoriga Yamaha F4

OWNER



Rated boat velocities in knots							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.5°	42.4°	42.6°	42.0°	41.8°	41.6°	42.4°
Beat VMG	2.81	3.36	3.73	3.90	3.97	4.00	3.98
52°	4.32	5.11	5.60	5.77	5.84	5.88	5.88
60°	4.60	5.39	5.80	5.96	6.03	6.07	6.09
75°	4.82	5.60	5.96	6.15	6.27	6.33	6.39
90°	4.76	5.62	6.02	6.22	6.40	6.55	6.74
110°	4.71	5.68	6.12	6.40	6.64	6.80	7.04
120°	4.54	5.56	6.07	6.36	6.66	6.95	7.33
135°	4.02	5.01	5.83	6.18	6.47	6.78	7.43
150°	3.47	4.38	5.24	5.88	6.20	6.47	7.07
Run VMG	3.00	3.80	4.54	5.25	5.80	6.13	6.67
Gybe Angles	148.5°	153.0°	151.0°	166.0°	180.0°	180.0°	180.0°

The owner certifies that he/she understands his/her responsibilities under ORC Rule and Regulations.

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1282.5	1071.0	964.6	923.8	907.0	899.0	904.5
52°	832.6	704.8	643.3	624.1	616.3	612.6	612.3
60°	782.3	668.0	620.8	603.7	596.7	593.1	591.3
75°	747.6	642.4	604.1	585.6	574.6	568.4	563.5
90°	756.6	640.9	598.0	578.5	562.6	549.8	533.9
110°	764.3	633.6	588.1	562.7	542.1	529.7	511.3
120°	792.3	648.0	593.5	565.6	540.8	517.8	491.2
135°	895.3	718.8	617.9	582.3	556.7	531.0	484.5
150°	1038.6	822.3	687.2	611.9	580.7	556.8	509.3
Run VMG	1199.3	948.0	792.4	685.7	620.4	586.8	540.0
Selected Courses							
Windward / Leeward	1240.9	1009.5	878.5	804.8	763.7	742.9	722.2
All purpose	952.6	785.4	700.9	659.5	635.2	620.8	603.0

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	843.3	0.7115
All purpose	683.5	0.8778

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	745.8	0.8045
Triple Number Coastal/Long Distance Low	868.9	0.6905
Triple Number Coastal/Long Distance Medium	677.7	0.8853
Triple Number Coastal/Long Distance High	617.7	0.9713
Triple Number Windward/Leeward Low	1125.3	0.5332
Triple Number Windward/Leeward Medium	836.1	0.7176
Triple Number Windward/Leeward High	740.4	0.8104

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1236.8	946.6	790.5	705.0	660.8	626.6	572.8